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DeepWind, 19-20 January 2012, Trondheim, Norway

Editorial

The deep sea offshore wind potential is huge, but will only be realised provided that costs are reduced to a competitive level. DeepWind 2012 addressed exactly this, presenting results on technical issues that are the key to cost reductions.

DeepWind 2012 is short for Deep Sea Offshore Wind R&D Conference held in Trondheim, Norway, 19-20 January 2012. The conference has been developing every year since 2004, and is established as an important venue on deep sea offshore wind R&D. The presentations and further conference details are available at the conference web page www.sintef.no/deepwind_2012.

This Special Issue presents selected papers from DeepWind 2012. A total of 43 papers are included addressing a) New turbine and generator technology, b) Grid connection and power system integration, c) Met-ocean conditions, d) Operation and maintenance, e) Installation and sub-structures and f) Wind farm modeling.

All papers have gone through a careful per-review organized by the international Scientific Committee of DeepWind2012:

Anaya-Lara, Olimpo, Strathclyde University	Krokstad, Jørgen, Statkraft	Nielsen, Finn Gunnar, Statoil
Berge, Erik, Kjeller Vindteknikk	Langen, Ivar, University of Stavanger	Nygaard, Tor Anders, IFE
Busmann, Hans-Gerd, Fraunhofer IWES	Leithead, William, Strathclyde University	Reuder, Jochen, UiB
Bussel, Gerard J.W. van, TU Delft	Madsen, Peter Hauge, DTU	Sirnivas, Senu, NREL
Faulstich, Stefan, Fraunhofer IWES	Moan, Torgeir, NTNU	Uhlen, Kjetil, NTNU
Gjengedal, Terje, UMB	Moe, Geir, NTNU (1938-2011)	Undeland, Tore, NTNU
Heggset, Jørn, SINTEF	Molinas, Marta, NTNU	

The conference chairs and guest editors of this Special Issue like to express our sincere gratitude to the Scientific Committee of DeepWind2012, all authors that have contributed to this Special Issue, and to colleagues that have so kindly contributed to the review process. We hope that this Special Issue provides results that contribute to the fruitful development of offshore wind energy.

Conference chairs and guest editors:

John Olav Giæver Tande, Director NOWITECH, Senior Scientist SINTEF Energy Research
 Trond Kvamsdal, Chair NOWITECH Scientific Committee, Associate Professor NTNU
 Ole Gunnar Dahlhaug, Professor NTNU

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